

UNAPPROVED PARTS NOTIFICATION

AIRCRAFT MAINTENANCE DIVISION, AFS-300
800 INDEPENDENCE AVE. S.W.
WASHINGTON D.C. 20591



U.S. Department
of Transportation

**Federal Aviation
Administration**

No. 2007-00139
November 7, 2007

<http://www.faa.gov/aircraft/safety/programs/sups/upn/>

AFFECTED PRODUCTS

Wheel and brake assemblies and aircraft accessories.

PURPOSE

The purpose of this notification is to advise all aircraft owners, operators, manufacturers, maintenance organizations, and parts suppliers and distributors regarding improper maintenance performed on wheel and brake assemblies and aircraft accessories used on large aircraft.

BACKGROUND

Information received during a Federal Aviation Administration (FAA) suspected unapproved parts investigation revealed that between March 2006 and March 2007 Aerospace Precision, Inc. (P17R), located at 2851 Evans Street, Hollywood, FL 33020, improperly maintained and approved for return to service various aircraft accessories and wheel and brake assemblies contrary to the regulations. Aerospace Precision, Inc., holds FAA Air Agency Certificate No. P17R1890, with limited accessory rating.

Evidence indicates Aerospace Precision, Inc., approved wheel and brake assemblies and accessories for return to service that were not maintained in compliance with the manufacturer's maintenance manuals or other data acceptable to the FAA. Discrepancies noted in Aerospace Precision Inc.'s practices included, but are not limited to, the following:

- Approving for return to service wheel and brake assemblies and accessories that had not been inspected and tested in accordance with current nondestructive testing (NDT) manual.
- Using an NDT technician who was previously trained at another repair station, but not properly certificated to perform NDT inspections at Aerospace Precision, Inc.
- Failing to maintain recordkeeping requirements.
- Failure to use equipment, tools, and material that are recommended by the manufacturer and acceptable to the FAA.
- Approving for return to service articles that had not been maintained in accordance with the current manufacturer's maintenance manuals or methods otherwise acceptable to the administrator.

RECOMMENDATIONS

Regulations require that type-certificated products conform to their type design. Aircraft owners, operators, manufacturers, maintenance organizations, and parts supplier and distributors should inspect their aircraft, aircraft records, and/or parts inventories for any wheel and brake assemblies and

accessories that were approved for return to service by Aerospace Precision, Inc., between March 2006 and March 2007. If any wheel and brake assemblies or aircraft accessories are found installed on aircraft, appropriate action should be taken. If any are found in existing inventory, it is recommended they be segregated to prevent installation until a determination can be made regarding each part's eligibility for installation.

Attached is a *partial* list of parts that were approved for return to service by Aerospace Precision, Inc.

FURTHER INFORMATION

Further information and guidance regarding the above-referenced wheel and brake assemblies and aircraft accessories can be obtained from the FAA Flight Standards District Office given below. In addition to all the above recommendations, the FAA would appreciate any information concerning the discovery of the wheel and brake assemblies or aircraft accessories from any source, the means used to identify the source, and action taken to remove the wheel and brake assemblies or aircraft accessories from service.

This notice originated from the FAA South Florida FSDO, 1050 Lee Wagener Blvd., Suite 201, Fort Lauderdale, FL 33315, telephone (954) 635-1300, fax (954) 635-1260

PARTIAL LIST OF PARTS

Part Name: ACTUATOR	Part Number: 1FA14012-6	Serial #:
Part Name: ACTUATOR ASSY	Part Number: 85-11711-14	Serial #:
Part Name: ACTUATOR ASSY	Part Number: 85-10560-14	Serial #:
Part Name: AIR BRAKE JACK	Part Number: 31059-321	Serial #:
Part Name: AIR BRAKE JACK	Part Number: 31059-321	Serial #:
Part Name: BODY ASSY	Part Number: GA56999-1	Serial #:
Part Name: BRAKE ASSY, CARBON	Part Number: 2-1515-2	Serial #:
Part Name: BRAKE ASSY, CARBON	Part Number: 2-1515-2	Serial #: 7126
Part Name: BRAKE	Part Number: C20225410	Serial #:
Part Name: BRAKE	Part Number: 2601902-60	Serial #:
Part Name: BRAKE	Part Number: 2601902-60	Serial #:
Part Name: BRAKE	Part Number: 2601902-60	Serial #:

Part Name: BRAKE	Part Number: 2601902-60	Serial #:
Part Name: BRAKE	Part Number: 2601902-60	Serial #:
Part Name: BRAKE	Part Number: 2601902-60	Serial #: 84600
Part Name: BRAKE ASSY	Part Number: 2-1147-3	Serial #: 5235
Part Name: BRAKE ASSY	Part Number: 565788-7	Serial #:
Part Name: BRAKE ASSY	Part Number: 2605662-3	Serial #:
Part Name: BRAKE ASSY	Part Number: 2605662-3	Serial #:
Part Name: BRAKE ASSY	Part Number: 2605662-3	Serial #:
Part Name: BRAKE ASSY	Part Number: 2605662-3	Serial #:
Part Name: BRAKE ASSY, CARBON	Part Number: 2-5515-2	Serial #:
Part Name: BRAKE ASSY, CARBON	Part Number: 2-1515-2	Serial #: 575
Part Name: BRAKE ASSY, CARBON	Part Number: 2-1515-2	Serial #: 2539
Part Name: BRAKE ASSY, CARBON	Part Number: 2-1515-2	Serial #: 3164
Part Name: BRAKE ASSY, STEEL	Part Number: C20060-1004	Serial #:
Part Name: BRAKE ASSY, STEEL	Part Number: C20060-1004	Serial #: 67
Part Name: BRAKE ASSY, STEEL	Part Number: C20060-1004	Serial #: 6524
Part Name: BRAKE ASSY, STEEL	Part Number: C20060-1004	Serial #: 6563
Part Name: BRAKE ASSY, STEEL	Part Number: C20060-1004	Serial #: 6618
Part Name: BRAKE ASSY, STEEL	Part Number: 20060-1004	Serial #: 875
Part Name: BRAKE ASSY	Part Number: 2-1600-3	Serial #: 1604
Part Name: BRAKE ASSY	Part Number: 2-1600-3	Serial #: 3362
Part Name: BRAKE ASSY	Part Number: 2-1510	Serial #:
Part Name: BRAKE ASSY	Part Number: 2-1510	Serial #: 323

Part Name: BRAKE ASSY	Part Number: 2-1510	Serial #: 611
Part Name: BRAKE ASSY	Part Number: 2-1474-7	Serial #: 2256
Part Name: BRAKE ASSY	Part Number: 2-1474-7	Serial #: 3224
Part Name: BRAKE ASSY	Part Number: 2-1474-7	Serial #: 3811
Part Name: BRAKE ASSY	Part Number: 2-1474-5	Serial #: 1790
Part Name: BRAKE ASSY	Part Number: 2-1474-5	Serial #: 1865
Part Name: BRAKE ASSY	Part Number: 2-1474-5	Serial #: 2087
Part Name: BRAKE ASSY	Part Number: 2-1474-5	Serial #: 4067
Part Name: BRAKE ASSY	Part Number: 2-1457-1	Serial #: 84
Part Name: BRAKE ASSY	Part Number: 2-1147-3	Serial #: 2734
Part Name: BRAKE ASSY	Part Number: 2-1147-3	Serial #: 8630
Part Name: BRAKE ASSY	Part Number: 2-1147-3	Serial #: 8679
Part Name: BRAKE ASSY	Part Number: 2-T474-5	Serial #:
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Part Name: BRAKE ASSY	Part Number: 2605662-3	Serial #:
Part Name: BRAKE ASSY	Part Number: 2605682-3	Serial #:
Part Name: BRAKE ASSY	Part Number: 2605682-3	Serial #:
Part Name: BRAKE ASSY	Part Number: 2606572-4	Serial #:
Part Name: BRAKE ASSY	Part Number: 2606862-3	Serial #:
Part Name: BRAKE ASSY	Part Number: 2606862-3	Serial #:
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Part Name: BRAKE ASSY, CARBON	Part Number: 2-1515-2	Serial #:

Part Name: BRAKE ASSY, CARBON	Part Number: 2-1515-2	Serial #:
Part Name: BRAKE ASSY, CARBON	Part Number: 2-1515-2	Serial #:
Part Name: BRAKE ASSY, CARBON	Part Number: 2-1515-2	Serial #:
Part Name: BRAKE ASSY, STEEL	Part Number: 20060-1004	Serial #: 1217
Part Name: BRAKE, CARBON	Part Number: C20225410	Serial #:
Part Name: BUTTERFLY SHUTOFF VALVE	Part Number: 321942-1-1	Serial #:
Part Name: BUTTERFLY SHUTOFF VALVE	Part Number: 321942-1-1	Serial #:
Part Name: BUTTERFLY SHUTOFF VALVE	Part Number: 321942-1-1	Serial #:
Part Name: BUTTERFLY SHUTOFF VALVE	Part Number: 321942-1-1	Serial #:
Part Name: FAN	Part Number: EVT3454H	Serial #: 1135
Part Name: FLAP DRIVE TRANSMISSION	Part Number: 65-500321-5	Serial #:
Part Name: FLAP TORQUE LIMITER	Part Number: CHA706-007A	Serial #: 239
Part Name: FLAP TORQUE LIMITER	Part Number: CHA706-007A	Serial #: 502
Part Name: FRICTION BRAKE	Part Number: CHA1063-007	Serial #:
Part Name: FRICTION BRAKE	Part Number: CHA1062-007	Serial #:
Part Name: GEARBOX	Part Number: CHA702-004A	Serial #:
Part Name: HALF WHEEL, OB	Part Number: C20220150-1	Serial #: 13586
Part Name: HINGE ASSY	Part Number: 9-63229-1	Serial #:
Part Name: HYDRAULIC CONTROL RESISTOR	Part Number: 70262	Serial #:
Part Name: HYDRAULIC MOTOR	Part Number: 887087	Serial #:
Part Name: INFLATION VALVE	Part Number: 60810055-4	Serial #:
Part Name: LINER	Part Number: A33807-1	Serial #:
Part Name: MOTOR PUMP	Part Number: 14300-016	Serial #:

Part Name: MAIN WHEEL ASSY	Part Number: 5004320-8	Serial #:
Part Name: MAIN WHEEL ASSY	Part Number: 5004320-8	Serial #:
Part Name: MAIN WHEEL ASSY	Part Number: 5004320-8	Serial #:
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Part Name: MAIN WHEEL ASSY	Part Number: C20195150-3	Serial #:
Part Name: MAIN WHEEL ASSY	Part Number: 5007B97-2	Serial #:
Part Name: MAIN WHEEL ASSY	Part Number: 5007B97-1	Serial #:
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Part Name: MAIN WHEEL ASSY	Part Number: 2607081-2	Serial #:
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Part Name: MAIN WHEEL ASSY	Part Number: 5004320-8	Serial #:
Part Name: MAIN WHEEL ASSY	Part Number: 5007897-3	Serial #:
Part Name: NUT	Part Number: 264374	Serial #:
Part Name: OUTFLOW VALVE	Part Number: 711003-3	Serial #:
Part Name: PRESSURE TRANSOU CER	Part Number: ZRA19990030	Serial #: 7000
Part Name: R/H O/B STEB BACK G/B	Part Number: CHA1001-006	Serial #:
Part Name: R/H O/B STEB BACK G/B	Part Number: CHA702-002A	Serial #:
Part Name: REVERSE FLOW CHECK CONTROL	Part Number: 107494-4	Serial #: 1850
Part Name: SERVO-VALVE	Part Number: 286467	Serial #: 12998
Part Name: SERVO-VALVE	Part Number: 285467100-1	Serial #: 1376
Part Name: SERVO-VALVE	Part Number: 286487100-1	Serial #: 1567
Part Name: SKIN SUPPORT	Part Number: 86-10623-801	Serial #:
Part Name: SLAT SCREWJACK	Part Number: CHA1061-005A	Serial #:

Part Name: SLAT SCREWJACK	Part Number: CHA1061-005A	Serial #:
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Part Name: SLAT SCREWJACK	Part Number: CHA1061-005A	Serial #: 1908
Part Name: STABILIZER, TRIM ACT	Part Number: 251A4510-3	Serial #:
Part Name: STEEL BRAKE ASSY	Part Number: C20060-1004	Serial #:
Part Name: STEEL BRAKE ASSY	Part Number: C20060-1004	Serial #: 6565
Part Name: STEPBACK GEARBOX	Part Number: CHA1001-002	Serial #:
Part Name: TIE BOLT	Part Number: 2602540	Serial #:
Part Name: TORQUE LIMTIER	Part Number: CHA698-007A	Serial #: 15
Part Name: TORQUE LIMTIER	Part Number: CHA698-007A	Serial #: 601
Part Name: TRANSDUCER	Part Number: GA55-19-12	Serial #: 2150
Part Name: VALVE	Part Number: C201030130	Serial #: 4118
Part Name: VALVE BODY	Part Number: 27B900	Serial #:
Part Name: WHEEL	Part Number: 2501571-1	Serial #:
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Part Name: WHEEL ASSY	Part Number: 9580571B	Serial #:

Part Name: WHEEL HALF	Part Number: 2607949-1	Serial #:
Part Name: WHEEL HALF INBOARD	Part Number: 2607948	Serial #: 38385
Part Name: WHEEL HF	Part Number: 2607949-1	Serial #:
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Part Name: WHEEL HF	Part Number: 2607949-1	Serial #: 3153
Part Name: WHEEL HF	Part Number: 2607949-1	Serial #: 3704
Part Name: WHEEL, MAIN	Part Number: 2608811-5	Serial #:
Part Name: WHEEL, MAIN	Part Number: 020195000-3	Serial #: